



**United States Environmental Protection Agency
Region 9 Laboratory**

**1337 S. 46th Street Building 201
Richmond, CA 94804**

Date: 2/15/2012

Subject: Analytical Testing Results - Project R33911
SDG: 12034C

From: Brenda Bettencourt, Director
EPA Region 9 Laboratory
MTS-2

To: Richard Fetzer
US EPA Region 3, Eastern Response Branch
3HS31

Attached are the results from the analysis of samples from the **Dimock Residential Groundwater** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

Extractable Petroleum Hydrocarbons by
GC/FID



United States Environmental Protection Agency

Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804

Phone:(510) 412-2300

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Project Manager: Richard Fetzer

Project Number: R33911

Project: Dimock Residential Groundwater

US EPA Region 3, Eastern Response Branch

100 Gypsum Road

Stroudsburg PA, 18360

SDG: 12034C

Reported: 02/15/12 16:27

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
HW42	1202011-01	Water	02/02/12 10:28	02/03/12 10:00
HW46	1202011-02	Water	02/02/12 11:39	02/03/12 10:00
HW46-P	1202011-03	Water	02/02/12 11:24	02/03/12 10:00
FB08	1202011-05	Water	02/01/12 14:45	02/03/12 10:00
HW34a	1202011-06	Water	02/01/12 15:47	02/03/12 10:00
HW34a-P	1202011-07	Water	02/01/12 15:55	02/03/12 10:00
FB09	1202011-09	Water	02/02/12 10:15	02/03/12 10:00
HW42z	1202011-10	Water	02/02/12 10:29	02/03/12 10:00

SDG ID 12034C

Work Order(s)

1202011



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1202011-01						Water - Sampled: 02/02/12 10:28			
Sample ID: HW42						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0017	02/06/12	02/07/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		83 %		60-127%		"	"	"	
Lab ID: 1202011-02						Water - Sampled: 02/02/12 11:39			
Sample ID: HW46						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0017	02/06/12	02/07/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		85 %		60-127%		"	"	"	
Lab ID: 1202011-03						Water - Sampled: 02/02/12 11:24			
Sample ID: HW46-P						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0017	02/06/12	02/07/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		83 %		60-127%		"	"	"	
Lab ID: 1202011-05						Water - Sampled: 02/01/12 14:45			
Sample ID: FB08						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0017	02/06/12	02/07/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		85 %		60-127%		"	"	"	
Lab ID: 1202011-06						Water - Sampled: 02/01/12 15:47			
Sample ID: HW34a						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0017	02/06/12	02/07/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		87 %		60-127%		"	"	"	
Lab ID: 1202011-07						Water - Sampled: 02/01/12 15:55			
Sample ID: HW34a-P						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0017	02/06/12	02/07/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		90 %		60-127%		"	"	"	
Lab ID: 1202011-09						Water - Sampled: 02/02/12 10:15			
Sample ID: FB09						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0017	02/06/12	02/07/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		95 %		60-127%		"	"	"	
Lab ID: 1202011-10						Water - Sampled: 02/02/12 10:29			



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1202011-10						Water - Sampled: 02/02/12 10:29			
Sample ID: HW42z						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	270	ug/L	B2B0017	02/06/12	02/07/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,100	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		83 %		60-127%		"	"	"	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B2B0017 - 3520C CLLE - TPH - Extractable						Prepared: 02/06/12 Analyzed: 02/07/12				
Extractable Petroleum Hydrocarbons by EPA Method 8015B - Quality Control										
Blank (B2B0017-BLK1)										
TPH - Diesel Range Organics	ND	U		250 ug/L						
TPH - Oil Range Organics	ND	U		1,000 "						
Surrogate: Hexacosane	146			"	150		97	60-127		
LCS (B2B0017-BS1)										
TPH - Diesel Range Organics	1,190			250 ug/L	1500		79	54-115		200
Surrogate: Hexacosane	129			"	150		86	60-127		
Matrix Spike (B2B0017-MS1) Source: 1202011-07										
TPH - Diesel Range Organics	1,270			250 ug/L	1500	ND	85	67-110		20
Surrogate: Hexacosane	128			"	150		85	60-127		
Matrix Spike Dup (B2B0017-MSD1) Source: 1202011-07										
TPH - Diesel Range Organics	1,420			250 ug/L	1540	ND	92	67-110	11	20
Surrogate: Hexacosane	149			"	154		97	60-127		



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Qualifiers and Comments

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.